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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/878,936	06/13/2001	Yoshihiro Honma	35.C15439US	3546

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EXAMINER

LEE, MICHAEL

ART UNIT PAPER NUMBER

2614

DATE MAILED: 06/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/878,936

Applicant(s)

HONMA ET AL.

Examiner

M. Lee

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 June 2005.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 34-55 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 40-44 is/are allowed.
- 6) ☒ Claim(s) 34, 37-39, 45, 47-49, 51-55 is/are rejected.
- 7) ☒ Claim(s) 35, 36, 46 and 50 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after allowance or after an Office action under *Ex Parte Quayle*, 25 USPQ 74, 453 O.G. 213 (Comm'r Pat. 1935). Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, prosecution in this application has been reopened pursuant to 37 CFR 1.114. Applicant's submission filed on 3/10/05 has been entered.

***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 34, 37-39, 45, 47-49, 51-55 are rejected under 35 U.S.C. 103(a) as being unpatentable over Reitmeier (6,549,240) in view of Koh (6,300,982).

Regarding claim 34, Reitmeier discloses a format conversion system showing a resizing unit (150,140), a memory unit (frame buffer 160), and a first conversion unit (col. 6, lines 4-14), except the second conversion unit as claimed. However, Reitmeier teaches that a liquid crystal display (LCD) can be used as the alternative of the CRT display 175. Koh, from the similar field of endeavor, discloses a LCD display apparatus

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including a parallel-to-serial converter 280 for converting parallel RGB data into RGB serial data. Hence, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include the LCD display apparatus of Koh into Reitmeier to perform the well known functions as claimed.

Regarding claim 37, Reitmeier shows an inherently included image capture unit (the signal received by tuner 104 is captured by an image capture means), and Koh shows a display unit 300.

Regarding claim 38, Koh shows LCD display unit for displaying a plurality of serial RGB data.

Regarding claim 39, see Reitmeier, col. 6, lines 59-60.

Regarding claim 45, see rejection to claim 34.

Regarding claim 47, see Reitmeier, col. 6, lines 59-60.

Regarding claim 48, Reitmeier shows an inherently included image capture unit (the signal received by tuner 104 is captured by an image capture means).

Regarding claim 49, in addition of rejection to claim 34, Koh further shows a second resizing unit adapted to resize the RGB image (see scaling unit 230).

Regarding claim 51, Koh further shows a LCD panel 300.

Regarding claim 52, see Reitmeier, col. 6, lines 59-60.

Regarding claim 53, Reitmeier shows an inherently included image capture unit (the signal received by tuner 104 is captured by an image capture means).

Regarding claim 54, Reitmeier shows an inherently included image capture unit (the signal received by tuner 104 is captured by an image capture means), and Koh shows a display unit 300.

Regarding claim 55, Reitmeier does not specify the third conversion unit as claimed. However, Reitmeier teaches that the display 175 can be a digital mirror device (DMD) (see col. 8, lines 12-13). Since a digital mirror device is operated in a different format than the CRT or LCD, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to include a conversion unit into Reitmeier so that the DMD display device could display the RGB signal.

***Allowable Subject Matter***

4. Claims 40-44 are allowed.
5. Claims 35, 36, 46 and 50 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to M. Lee whose telephone number 571-272-7349. The examiner can normally be reached on Monday through Thursday from 9 to 6.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Miller, can be reached on 571-272-7353. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8000.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for

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published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to be 'M. Lee', with a stylized flourish extending to the right.

M. Lee  
Primary Examiner  
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